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## lumini

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LumCAT:

Luminaire: mini frame concentra flex 17 serie 3 e fa

LampCAT: modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 221.0000

Test No:

Current(A): 0.0360

Number of Lamps: 1

Power (W): 7.3700

Lamp flux(lm): 715.0

PF: 0.9700

Length(mm): 145

Width(mm): 20

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 477.19, Efficiency(%): 66.74% , Luminous Efficacy(lm/W): 64.75

Central intensity(cd): 799.705, Maximum intensity(cd): 799.705

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam angle of C0 plane : 44.56

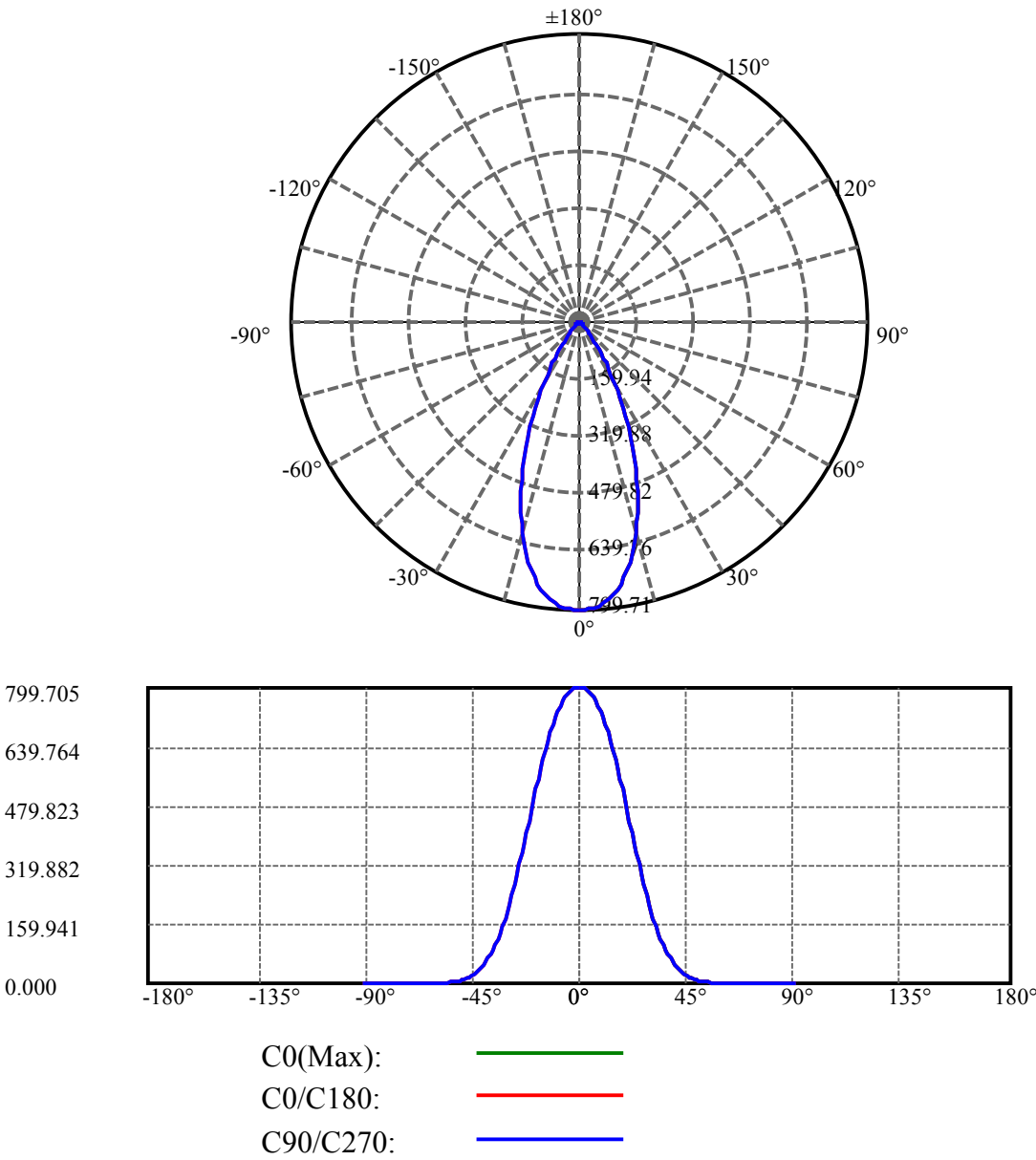
Aveage BeamAngle(IEC 61341):44.56

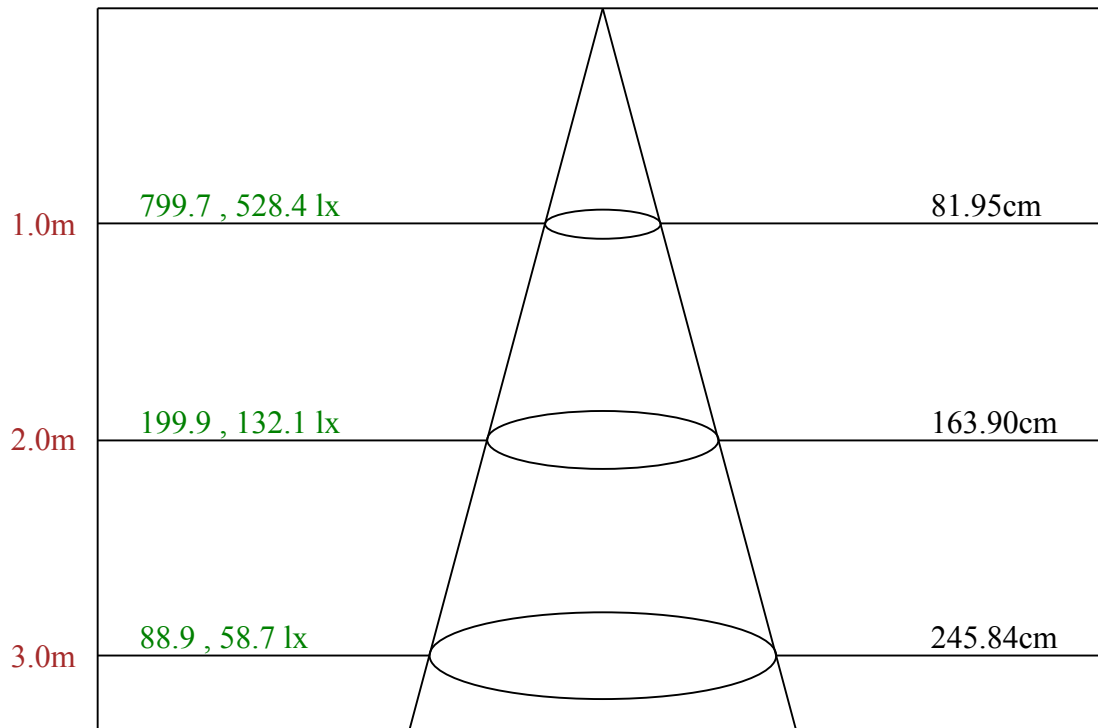
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Equipment: equipamento lumini  
Temperature(°C): 25.5

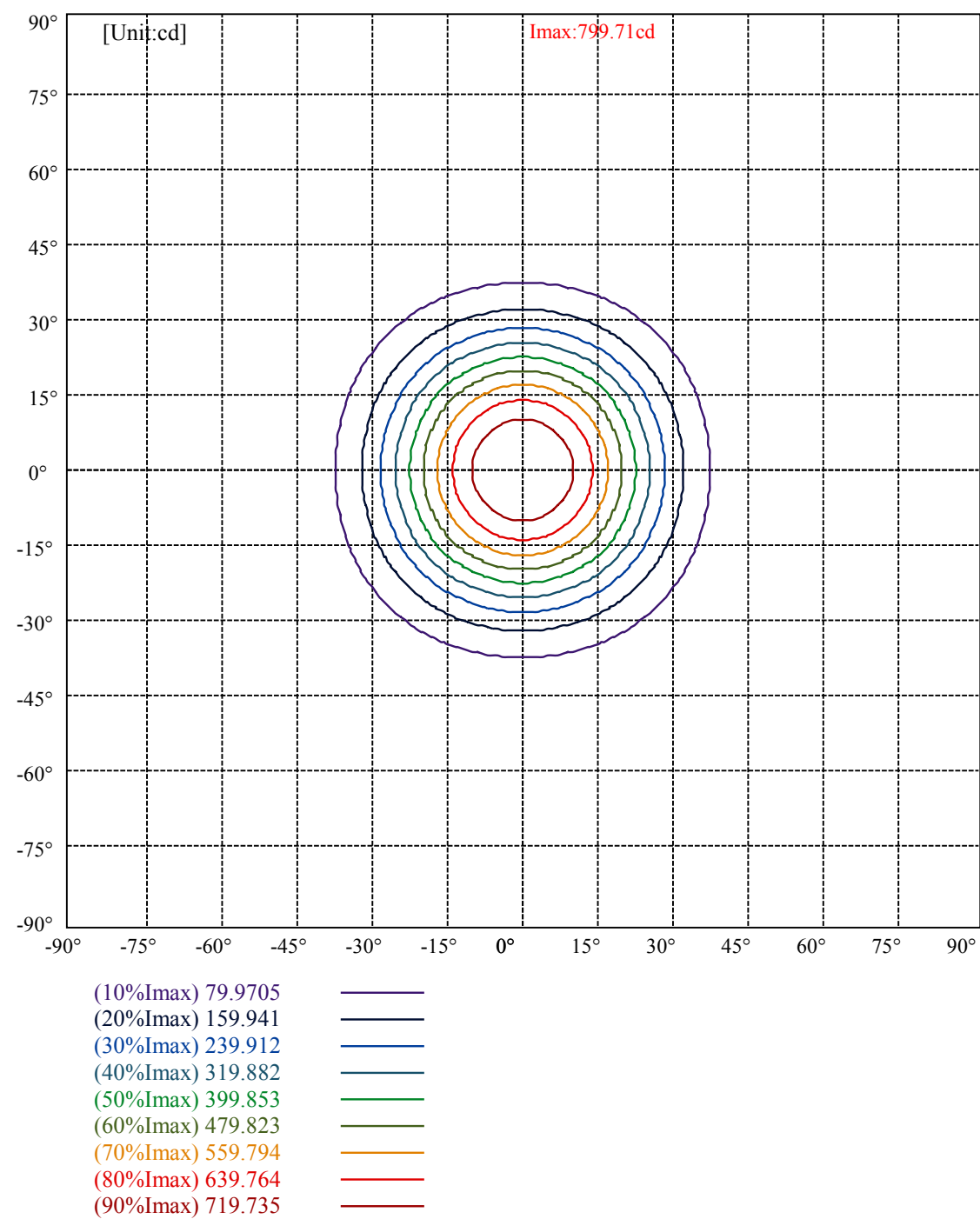
Date: 8/7/2024  
Humidity(%): 55.0%

Operator: 01  
Distance(m): 6.90





Max , Ave      Beam angle of C0 plane 44.56



# lumini

## Luminance Limiting Curve(no luminous side)

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Luminance Table

| $\gamma$ | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   |
|----------|------|------|------|------|------|------|------|------|------|
| C0       | 9908 | 3742 | 1453 | 1133 | 1156 | 1320 | 1665 | 2387 | 4803 |
| C45      | 9908 | 3742 | 1453 | 1133 | 1156 | 1320 | 1665 | 2387 | 4803 |
| C90      | 9908 | 3742 | 1453 | 1133 | 1156 | 1320 | 1665 | 2387 | 4803 |

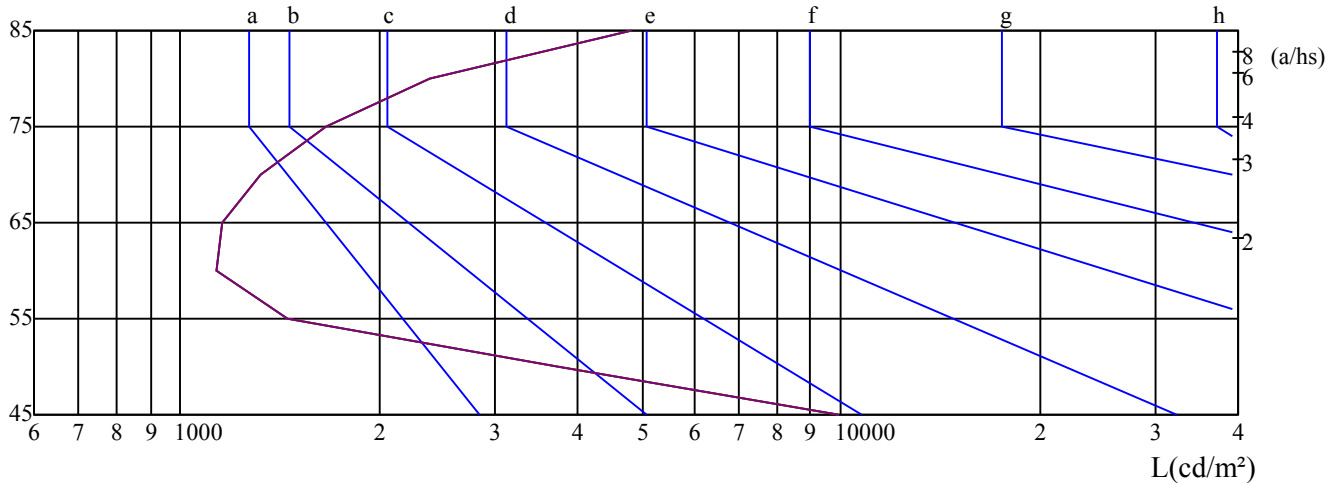
| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 1156       | 1156       | 1156    | 1665       | 1665       | 1665    | 4803       | 4803       | 4803    |

Glare Table

| Glare | Quality | Service Values Illuminance(lx) |      |      |            |            |            |            |            |
|-------|---------|--------------------------------|------|------|------------|------------|------------|------------|------------|
| 1.15  | A       | 2000                           | 1000 | 500  | $\leq 300$ |            |            |            |            |
| 1.5   | B       |                                | 2000 | 1000 | 500        | $\leq 300$ |            |            |            |
| 1.85  | C       |                                |      | 2000 | 1000       | 500        | $\leq 300$ |            |            |
| 2.2   | D       |                                |      |      | 2000       | 1000       | 500        | $\leq 300$ |            |
| 2.55  | E       |                                |      |      |            | 2000       | 1000       | 500        | $\leq 300$ |
|       |         | a                              | b    | c    | d          | e          | f          | g          | h          |

Luminance Limiting Curve

$\gamma(^{\circ})$



C0 —

C45 —

C90 —

Equipment: equipamento lumini  
Temperature( $^{\circ}$ C): 25.5

Date: 8/7/2024  
Humidity(%): 55.0%

Operator: 01  
Distance(m): 6.90

| Illumination assessment according UGR             |     |                  |       |       |       |       |                |       |       |       |       |
|---|-----|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Rf of Ceiling                                     | 70  | 70               | 50    | 50    | 30    | 70    | 70             | 50    | 50    | 30    |       |
| Rf of Wall  | 50  | 30               | 50    | 30    | 30    | 50    | 30             | 50    | 30    | 30    |       |
| Rf of Floor                                       | 20  | 20               | 20    | 20    | 20    | 20    | 20             | 20    | 20    | 20    |       |
| Room dimensions                                   |     | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X   | Y   |                  |       |       |       |       |                |       |       |       |       |
| 2H  | 2H  | 15.48            | 16.43 | 15.84 | 16.74 | 17.06 | 16.09          | 17.04 | 16.45 | 17.35 | 17.67 |
|   | 3H  | 15.31            | 16.15 | 15.70 | 16.49 | 16.83 | 15.92          | 16.76 | 16.31 | 17.10 | 17.45 |
|   | 4H  | 15.24            | 16.02 | 15.64 | 16.37 | 16.74 | 15.86          | 16.63 | 16.26 | 16.99 | 17.36 |
|   | 6H  | 15.23            | 15.94 | 15.64 | 16.31 | 16.71 | 15.85          | 16.56 | 16.26 | 16.93 | 17.33 |
|   | 8H  | 15.22            | 15.90 | 15.64 | 16.28 | 16.69 | 15.84          | 16.52 | 16.26 | 16.90 | 17.31 |
|   | 12H | 15.26            | 15.90 | 15.68 | 16.29 | 16.71 | 15.88          | 16.52 | 16.31 | 16.92 | 17.34 |
| 4H  | 2H  | 15.18            | 15.96 | 15.58 | 16.31 | 16.68 | 15.78          | 16.56 | 16.19 | 16.92 | 17.28 |
|   | 3H  | 14.99            | 15.64 | 15.42 | 16.04 | 16.45 | 15.60          | 16.25 | 16.02 | 16.64 | 17.06 |
|   | 4H  | 14.98            | 15.54 | 15.42 | 15.97 | 16.42 | 15.59          | 16.15 | 16.03 | 16.57 | 17.02 |
|   | 6H  | 14.98            | 15.47 | 15.45 | 15.92 | 16.38 | 15.59          | 16.08 | 16.06 | 16.54 | 16.99 |
|   | 8H  | 15.05            | 15.50 | 15.53 | 15.96 | 16.44 | 15.66          | 16.11 | 16.14 | 16.57 | 17.05 |
|   | 12H | 15.19            | 15.61 | 15.68 | 16.07 | 16.59 | 15.81          | 16.23 | 16.30 | 16.69 | 17.21 |
| 8H  | 4H  | 14.83            | 15.29 | 15.32 | 15.75 | 16.22 | 15.43          | 15.89 | 15.91 | 16.34 | 16.82 |
|   | 6H  | 14.89            | 15.26 | 15.40 | 15.74 | 16.26 | 15.49          | 15.86 | 15.99 | 16.34 | 16.85 |
|   | 8H  | 15.09            | 15.40 | 15.62 | 15.93 | 16.42 | 15.68          | 15.99 | 16.21 | 16.51 | 17.01 |
|   | 12H | 15.37            | 15.61 | 15.91 | 16.13 | 16.65 | 15.97          | 16.21 | 16.51 | 16.73 | 17.25 |
| 12H   | 4H  | 14.80            | 15.22 | 15.29 | 15.67 | 16.19 | 15.39          | 15.81 | 15.88 | 16.26 | 16.79 |
|   | 6H  | 14.93            | 15.24 | 15.46 | 15.77 | 16.26 | 15.52          | 15.83 | 16.05 | 16.35 | 16.85 |
|   | 8H  | 15.14            | 15.38 | 15.68 | 15.90 | 16.42 | 15.71          | 15.95 | 16.25 | 16.47 | 16.99 |
| Variation with the observer position at spacings: |     |                  |       |       |       |       |                |       |       |       |       |
| S = 1.0H  |     | 5.0/-9.9         |       |       |       |       | 5.0/-9.9       |       |       |       |       |
| S = 1.5H  |     | 7.5/-8.1         |       |       |       |       | 7.5/-8.1       |       |       |       |       |
| S = 2.0H  |     | 9.3/-6.8         |       |       |       |       | 9.3/-6.8       |       |       |       |       |
| Standard tables:                                  |     | BK1              |       |       |       |       | BK1            |       |       |       |       |
| Uncorrected UGR                                   |     | -2.7             |       |       |       |       | -2.7           |       |       |       |       |

依据CIE Publ. 117 计算 UGR, S/H = 0.25